

PF-0701 USA

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.

TANG, Y. Tom
YUE, Henry
LAL, Preeti
BURFORD, Neil
BANDMAN, Olga
BAUGHN, Mariah R.
AZIMZAI, Yalda
LU, Dyung Aina M.
PATTERSON, Chandra

<120> EXTRACELLULAR SIGNALING MOLECULES

<130> PF-0701 USA

<140> To Be Assigned

<141> Herewith

<150> 60/134,949; 60/144,270; 60/146,700; 60/157,508

<151> 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04

<160> 55

<170> PERL Program

<210> 1

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1288847CD1

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Met	Gly	Lys	Glu	Trp	Val	Lys	Ile	Leu	Leu	Phe	Leu	Leu	His	Leu
1				5				10					15	
Ser	Asn	Phe	Phe	Thr	Ile	Val	Thr	Phe	Leu	Gly	Ser	Gln	Gly	Leu
				20				25					30	
Leu	Gln	Ser	Pro	Ser	Tyr	Glu	Lys	Leu	Val	Gly	Cys	Cys	Leu	Met
				35				40					45	
Thr	Arg	Gly	Cys	Phe	Ser	Pro	Ser	Val	Met	Leu	Pro	Ser	Ala	Ala
				50				55					60	
Pro	Ser	Gln	Gln	Asp	Ser	Pro	Ser	His	Ser	Arg	Ala	Pro	Gly	Pro
				65				70					75	
Cys	Ser													

<210> 2

<211> 88

<212> PRT

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<220>

<221> misc_feature

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Gly	Arg	Lys	Pro	Val	Ser	Leu	Asp	Val	Lys	Leu	Thr	Leu	Met	Gly
	50								55					60
Trp	Gly	Arg	Gly	Leu	Gly	Arg	Arg	Gly	Gly	Arg	Gly	Glu	Gly	Thr
	65								70					75
Glu	Leu	Arg	Ile	Ser	Trp	Ser	Ala	Leu	Gln	Ala	Gln	Arg	Arg	Ser
	80								85					90
Ala	Lys	Val	Leu	Asn	Arg	Phe	Ser	Leu	Glu	Ile	Lys	Asn	Pro	
	95								100					

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<220>
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<223> Incyte ID No: 1566162CD1

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Met	Leu	Met	Phe	Ile	Lys	Gly	Leu	Ser	Ser	Thr	Leu	Phe	Leu	Gly
1				5					10					15
Ser	Thr	Leu	Ser	His	Arg	Asp	Pro	Ile	Cys	Phe	Tyr	Ser	Phe	His
				20					25					30
Phe	His	Leu	Tyr	Leu	Leu	Pro	His	Ala	Val	Ser	Pro	Val	Thr	Asn
				35					40					45
Ser	Ile	Tyr	Asn	Tyr	Leu	Leu	Gly	Leu	Tyr	Leu	Asp	Thr	Cys	Thr
				50					55					60

<210> 6
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<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 1811831CD1

	<400> 6													
Met	Pro	Lys	Ser	Gln	Ser	His	His	Leu	Thr	Gln	Leu	Gln	Leu	Leu
1				5					10					15
Pro	Ser	Cys	Leu	Leu	Gly	Leu	Leu	Pro	Pro	Val	Pro	Ala	Val	His
				20					25					30
Ala	Tyr	Ile	Leu	Gln	Gly	Cys	Val	Leu	Ser	Gly	Arg	Glu	Ile	Phe
				35					40					45
Phe	Ser	Val	Leu	Gln	Phe	Phe	Thr	Gln	Thr	Phe	Ser	Phe	Val	Val
				50					55					60
Pro	Val	Phe	Pro	Ser	Phe	Pro	Gly	Gly	Phe	Arg	Leu	Pro	Phe	Ser
				65					70					75
Ser	Pro	Trp	Leu	Ser	Leu	Cys	Pro	Ile	His	Arg	Ser	Thr	Leu	Gln
				80					85					90
Ala	Cys	Leu	Tyr	Glu	Arg	Gly	Leu	Phe	Leu	Cys	Arg	Lys	Leu	Thr
				95					100					105
Leu	Thr	Arg	Cys	Gly	Cys	Ser	Tyr	Thr	Asp	Leu	Ile			
				110					115					

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<210> 7
<211> 86
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 1835447CD1

<400> 7
Met Arg Ala Lys Gly Phe Leu Ala Pro Ser Leu Val Leu Ala Val
1 5 10 15
Ser Leu Glu Leu Met His Pro Asp Ala Asn Ser Pro Ser Glu Cys
20 25 30
Arg Gly Asp Glu Thr Leu Thr Gly Gln Phe Asn Leu Tyr Met Gly
35 40 45
Asp Lys Leu Glu Gly Lys Thr Asn Gly Arg Arg Val Lys Arg Lys
50 55 60
Leu Asn Tyr Cys Ala Asn Thr Arg His Ser Asn Pro Gly Gly Tyr
65 70 75
Cys Arg Val Asn Asn Asp Arg Tyr Tyr Phe Val
80 85

<210> 8
<211> 109
<212> PRT
<213> Homo sapiens

<220>
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<400> 8
Met Arg Cys Arg Leu Leu Ala Gly Ala Leu Val Leu Leu His Leu
1 5 10 15
Arg Leu Ser Ile Trp Leu Leu Gly Leu Pro His Ser Met Ala Asp
20 25 30
Gly Leu Arg Glu Gly Ala Phe Pro Asn Lys Gly Pro His Lys Leu
35 40 45
Asp Leu Trp Arg Ala Ser Leu Arg Ser His Pro Val Ser His Gly
50 55 60
Pro His Phe Ile Gly Tyr Arg Ala Ser Gln Phe Glu Gly Glu Glu
65 70 75
Lys Tyr Val Ala Val Tyr Ala Val Ser Ser Ala Ser Leu Leu Pro
80 85 90
Ala Leu Pro Val Pro Val Leu Arg Ala Ala Leu Ala Glu Gln Met
95 100 105
Tyr Leu Leu Ser

<210> 9
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<212> PRT
<213> Homo sapiens

<220>

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<221> misc_feature

<223> Incyte ID No: 4318494CD1

<400> 9

Met	Arg	Ser	Pro	Ser	Phe	Pro	Phe	Thr	Leu	Leu	Ser	Gly	Leu	Pro
1				5					10					15
Gly	Pro	Gly	Phe	Ser	Gln	Leu	Cys	Val	Arg	Val	Ser	Gln	Val	Ser
				20					25					30
Arg	Asn	Pro	Met	Arg	Ser	Glu	Gly	Cys	Phe	Gly	Leu	Leu	Lys	Ser
				35					40					45
Val	Gln	Asp	Asn	Pro	Ala	Ser	Ala	Leu	Glu	Leu	Leu	Asp	Phe	Ser
				50					55					60
Asp	Ile	Gln	Val	Asn	Ala	Glu	Phe	Asp	Gly	Leu	Ala	Ser	Ser	Val
				65					70					75
Arg	Gly	Ile	Leu	Pro	Glu	Leu	Cys	Ile	Lys	Thr	Gly	Ala	Cys	Arg
				80					85					90
Val	Glu	Tyr	Lys	Lys	Glu	Leu	Leu	Pro	Val	Phe	Arg	Ser	Ala	Leu
				95					100					105
Pro	Ala	Ser	Val	Pro	Lys									
				110										

<210> 10

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5090841CD1

<400> 10

Met	Glu	Pro	Gln	Leu	Gly	Pro	Glu	Ala	Ala	Ala	Leu	Arg	Pro	Gly
1				5					10					15
Trp	Leu	Ala	Leu	Leu	Leu	Trp	Val	Ser	Ala	Leu	Ser	Cys	Ser	Phe
				20					25					30
Ser	Leu	Pro	Ala	Ser	Ser	Leu	Ser	Ser	Leu	Val	Pro	Gln	Val	Arg
				35					40					45
Thr	Ser	Tyr	Asn	Phe	Gly	Arg	Thr	Phe	Leu	Gly	Leu	Asp	Lys	Cys
				50					55					60
Asn	Ala	Cys	Ile	Gly	Thr	Ser	Ile	Cys	Lys	Lys	Phe	Phe	Lys	Glu
				65					70					75
Glu	Ile	Arg	Ser	Asp	Asn	Trp	Leu	Ala	Ser	His	Leu	Gly	Leu	Pro
				80					85					90
Pro	Asp	Ser	Leu	Leu	Ser	Tyr	Pro	Ala	Asn	Tyr	Ser	Asp	Asp	Ser
				95					100					105
Lys	Ile	Trp	Arg	Pro	Val	Glu	Ile	Phe	Arg	Leu	Val	Ser	Lys	Tyr
				110					115					120
Gln	Asn	Glu	Ile	Ser	Asp	Arg	Arg	Ile	Cys	Ala	Ser	Ala	Ser	Ala
				125					130					135
Pro	Lys	Thr	Cys	Ser	Ile	Glu	Arg	Val	Leu	Arg	Lys	Thr	Glu	Arg
				140					145					150
Phe	Gln	Lys	Trp	Leu	Gln	Ala	Lys	Arg	Leu	Thr	Pro	Asp	Leu	Val
				155					160					165
Gln	Asp	Cys	His	Gln	Gly	Gln	Arg	Glu	Leu	Lys	Phe	Leu	Cys	Met
				170					175					180

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Leu Arg

<210> 11
<211> 105
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2006548CD1

<400> 11
Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr
1 5 10 15
Val Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val
20 25 30
Gln Cys Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg
35 40 45
Gly Leu Arg Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys
50 55 60
His Pro Gly Ser His Lys Val Pro Phe Phe Arg Lys Arg Lys His
65 70 75
His Thr Cys Pro Cys Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro
80 85 90
Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu Lys Asn Ile Asn Phe
95 100 105

<210> 12
<211> 342
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<213> Homo sapiens

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<223> Incyte ID No: 2207183CD1

<400> 12
Met Glu Gly Pro Glu Phe Leu Arg Thr Ala Thr Ser Ala Ser Gly
1 5 10 15
Arg Gly Glu His Arg Ala Glu Gly Val Cys Ser Arg Leu Arg Glu
20 25 30
Ala Ala Arg Arg Arg Gly Arg Pro Ser Leu Lys Gly Lys Arg Lys
35 40 45
Arg Gly Ser Ala Ser Ile Pro Glu Arg Gly Leu Gly Arg Met Lys
50 55 60
Thr Ser Ala Glu Leu His Glu Gln Glu Lys Pro Pro Ser Ser Pro
65 70 75
Arg Ala Thr Gly Pro Gly Arg Leu Gly His Ala Arg Gly Arg Gly
80 85 90
Pro Asp Ala Leu Arg Gly Gly Ala Ala Gly Pro Gly Arg Ala Ser
95 100 105
Ser Gly Ala Pro Arg Glu Arg Lys Met Ala Pro His Gly Pro Gly
110 115 120
Ser Leu Thr Thr Leu Val Pro Trp Ala Ala Ala Leu Leu Leu Ala

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	125		130		135
Leu Gly Val Glu Arg Ala Leu Ala Leu	Pro Glu Ile Cys Thr Gln				
	140		145		150
Cys Pro Gly Ser Val Gln Asn Leu Ser	Lys Val Ala Phe Tyr Cys				
	155		160		165
Lys Thr Thr Arg Glu Leu Met Leu His	Ala Arg Cys Cys Leu Asn				
	170		175		180
Gln Lys Gly Thr Ile Leu Gly Leu Asp	Leu Gln Asn Cys Ser Leu				
	185		190		195
Glu Asp Pro Gly Pro Asn Phe His Gln	Ala His Thr Thr Val Ile				
	200		205		210
Ile Asp Leu Gln Ala Asn Pro Leu Lys	Gly Asp Leu Ala Asn Thr				
	215		220		225
Phe Arg Gly Phe Thr Gln Leu Gln Thr	Leu Ile Leu Pro Gln His				
	230		235		240
Val Asn Cys Pro Gly Gly Ile Asn Ala	Trp Asn Thr Ile Thr Ser				
	245		250		255
Tyr Ile Asp Asn Gln Ile Cys Gln Gly	Gln Lys Asn Leu Cys Asn				
	260		265		270
Asn Thr Gly Asp Pro Glu Met Cys Pro	Glu Asn Gly Ser Cys Val				
	275		280		285
Pro Asp Gly Pro Gly Leu Leu Gln Cys	Val Cys Ala Asp Gly Phe				
	290		295		300
His Gly Tyr Lys Cys Met Arg Gln Gly	Ser Phe Ser Leu Leu Met				
	305		310		315
Phe Phe Gly Ile Leu Gly Ala Thr Thr	Leu Ser Val Ser Ile Leu				
	320		325		330
Leu Trp Ala Thr Gln Arg Arg Lys Ala	Lys Thr Ser				
	335		340		

<210> 13

<211> 451

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2267403CD1

<400> 13

Met Val Pro Glu Val Arg Val Leu Ser Ser	Leu Leu Gly Leu Ala
1	5 10 15
Leu Leu Trp Phe Pro Leu Asp Ser His Ala	Arg Ala Arg Pro Asp
	20 25 30
Met Phe Cys Leu Phe His Gly Lys Arg Tyr	Ser Pro Gly Glu Ser
	35 40 45
Trp His Pro Tyr Leu Glu Pro Gln Gly Leu	Met Tyr Cys Leu Arg
	50 55 60
Cys Thr Cys Ser Glu Gly Ala His Val Ser	Cys Tyr Arg Leu His
	65 70 75
Cys Pro Pro Val His Cys Pro Gln Pro Val	Thr Glu Pro Gln Gln
	80 85 90
Cys Cys Pro Lys Cys Val Glu Pro His Thr	Pro Ser Gly Leu Arg
	95 100 105
Ala Pro Pro Lys Ser Cys Gln His Asn Gly	Thr Met Tyr Gln His

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	110		115		120
Gly Glu Ile Phe	Ser Ala His Glu Leu	Phe Pro Ser Arg Leu	Pro		
	125		130		135
Asn Gln Cys Val	Leu Cys Ser Cys Thr	Glu Gly Gln Ile Tyr	Cys		
	140		145		150
Gly Leu Thr Thr	Cys Pro Glu Pro Gly	Cys Pro Ala Pro Leu	Pro		
	155		160		165
Leu Pro Asp Ser	Cys Cys Gln Ala Cys	Lys Asp Glu Ala Ser	Glu		
	170		175		180
Gln Ser Asp Glu	Glu Asp Ser Val Gln	Ser Leu His Gly Val	Arg		
	185		190		195
His Pro Gln Asp	Pro Cys Ser Ser Asp	Ala Gly Arg Lys Arg	Gly		
	200		205		210
Pro Gly Thr Pro	Ala Pro Thr Gly Leu	Ser Ala Pro Leu Ser	Phe		
	215		220		225
Ile Pro Arg His	Phe Arg Pro Lys Gly	Ala Gly Ser Thr Thr	Val		
	230		235		240
Lys Ile Val Leu	Lys Glu Lys His Lys	Lys Ala Cys Val His	Gly		
	245		250		255
Gly Lys Thr Tyr	Ser His Gly Glu Val	Trp His Pro Ala Phe	Arg		
	260		265		270
Ala Phe Gly Pro	Leu Pro Cys Ile Leu	Cys Thr Cys Glu Asp	Gly		
	275		280		285
Arg Gln Asp Cys	Gln Arg Val Thr Cys	Pro Thr Glu Tyr Pro	Cys		
	290		295		300
Arg His Pro Glu	Lys Val Ala Gly Lys	Cys Cys Lys Ile Cys	Pro		
	305		310		315
Glu Asp Lys Ala	Asp Pro Gly His Ser	Glu Ile Ser Ser Thr	Arg		
	320		325		330
Cys Pro Lys Ala	Pro Gly Arg Val Leu	Val His Thr Ser Val	Ser		
	335		340		345
Pro Ser Pro Asp	Asn Leu Arg Arg Phe	Ala Leu Glu His Glu	Ala		
	350		355		360
Ser Asp Leu Val	Glu Ile Tyr Leu Trp	Lys Leu Val Lys Asp	Glu		
	365		370		375
Glu Thr Glu Ala	Gln Arg Gly Glu Val	Pro Gly Pro Arg Pro	His		
	380		385		390
Ser Gln Asn Leu	Pro Leu Asp Ser Asp	Gln Glu Ser Gln Glu	Ala		
	395		400		405
Arg Leu Pro Glu	Arg Gly Thr Ala Leu	Pro Thr Ala Arg Trp	Pro		
	410		415		420
Pro Arg Arg Ser	Leu Glu Arg Leu Pro	Ser Pro Asp Pro Gly	Ala		
	425		430		435
Glu Gly His Gly	Gln Ser Arg Gln Ser	Asp Gln Asp Ile Thr	Lys		
	440		445		450

Thr

<210> 14

<211> 189

<212> PRT

<213> Homo sapiens

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<221> misc_feature

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<223> Incyte ID No: 2933038CD1

<400> 14

Met	Leu	Gly	Ser	Arg	Ala	Val	Met	Leu	Leu	Leu	Leu	Leu	Pro	Trp
1				5				10						15
Thr	Ala	Gln	Gly	Arg	Ala	Val	Pro	Gly	Gly	Ser	Ser	Pro	Ala	Trp
				20				25						30
Thr	Gln	Cys	Gln	Gln	Leu	Ser	Gln	Lys	Leu	Cys	Thr	Leu	Ala	Trp
				35				40						45
Ser	Ala	His	Pro	Leu	Val	Gly	His	Met	Asp	Leu	Arg	Glu	Glu	Gly
				50				55						60
Asp	Glu	Glu	Thr	Thr	Asn	Asp	Val	Pro	His	Ile	Gln	Cys	Gly	Asp
				65				70						75
Gly	Cys	Asp	Pro	Gln	Gly	Leu	Arg	Asp	Asn	Ser	Gln	Phe	Cys	Leu
				80				85						90
Gln	Arg	Ile	His	Gln	Gly	Leu	Ile	Phe	Tyr	Glu	Lys	Leu	Leu	Gly
				95				100						105
Ser	Asp	Ile	Phe	Thr	Gly	Glu	Pro	Ser	Leu	Leu	Pro	Asp	Ser	Pro
				110				115						120
Val	Gly	Gln	Leu	His	Ala	Ser	Leu	Leu	Gly	Leu	Ser	Gln	Leu	Leu
				125				130						135
Gln	Pro	Glu	Gly	His	His	Trp	Glu	Thr	Gln	Gln	Ile	Pro	Ser	Leu
				140				145						150
Ser	Pro	Ser	Gln	Pro	Trp	Gln	Arg	Leu	Leu	Leu	Arg	Phe	Lys	Ile
				155				160						165
Leu	Arg	Ser	Leu	Gln	Ala	Phe	Val	Ala	Val	Ala	Ala	Arg	Val	Phe
				170				175						180
Ala	His	Gly	Ala	Ala	Thr	Leu	Ser	Pro						
				185										

<210> 15

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3216587CD1

<400> 15

Met	Gly	Ala	Val	Met	Gly	Thr	Phe	Ser	Ser	Leu	Gln	Thr	Lys	Gln
1				5				10						15
Arg	Arg	Pro	Ser	Lys	Asp	Lys	Ile	Glu	Asp	Glu	Leu	Glu	Met	Thr
				20				25						30
Met	Val	Cys	His	Arg	Pro	Glu	Gly	Leu	Glu	Gln	Leu	Glu	Ala	Gln
				35				40						45
Thr	Asn	Phe	Thr	Lys	Arg	Glu	Leu	Gln	Val	Leu	Tyr	Arg	Gly	Phe
				50				55						60
Lys	Asn	Glu	Cys	Pro	Ser	Gly	Val	Val	Asn	Glu	Asp	Thr	Phe	Lys
				65				70						75
Gln	Ile	Tyr	Ala	Gln	Phe	Phe	Pro	His	Gly	Asp	Ala	Ser	Thr	Tyr
				80				85						90
Ala	His	Tyr	Leu	Phe	Asn	Ala	Phe	Asp	Thr	Thr	Gln	Thr	Gly	Ser
				95				100						105
Val	Lys	Phe	Glu	Asp	Phe	Val	Thr	Ala	Leu	Ser	Ile	Leu	Leu	Arg

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	110		115		120
Gly Thr Val His	Glu Lys Leu Arg Trp Thr Phe Asn Leu Tyr Asp				
	125		130		135
Ile Asn Lys Asp	Gly Tyr Ile Asn Lys Glu Glu Met Met Asp Ile				
	140		145		150
Val Lys Ala Ile	Tyr Asp Met Met Gly Lys Tyr Thr Tyr Pro Val				
	155		160		165
Leu Lys Glu Asp	Thr Pro Arg Gln His Val Asp Val Phe Phe Gln				
	170		175		180
Lys Met Asp Lys	Asn Lys Asp Gly Ile Val Thr Leu Asp Glu Phe				
	185		190		195
Leu Glu Ser Cys	Gln Glu Asp Asp Asn Ile Met Arg Ser Leu Gln				
	200		205		210
Leu Phe Gln Asn	Val Met				
	215				

<210> 16

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5037143CD1

<400> 16

Met Ala Ala Ala Arg	Leu Cys Leu Ser Leu Leu Leu Leu Ser Thr				
1	5		10		15
Cys Val Ala Leu Leu	Leu Gln Pro Leu Leu Gly Ala Gln Gly Ala				
	20		25		30
Pro Leu Glu Pro Val	Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln				
	35		40		45
Met Ala Gln Tyr Ala	Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu				
	50		55		60
Thr Arg Pro Arg Cys	Val Pro Gln Leu Gly Arg Glu Ile Pro Ala				
	65		70		75
Pro Gly Thr Leu Gly	Pro Leu His Ile Pro Gly His Thr Leu Ser				
	80		85		90
Pro Ala Pro Ala Pro	Ala Pro Ser Arg Pro Ala Leu Gly Lys Thr				
	95		100		105
Gly His Leu Cys Ser	Thr Gly Leu Asp Gln Cys Ala Leu Gly Lys				
	110		115		120
Met Val Pro Thr Gly	Arg Tyr Glu Thr Gly Gly Leu Ala Pro Gly				
	125		130		135
His Ser Ala Cys Pro	Cys Cys Leu Phe Pro Pro Arg Tyr Gly Lys				
	140		145		150
Arg His Lys Glu Asp	Thr Leu Ala Phe Ser Glu Trp Gly Ser Pro				
	155		160		165
His Ala Ala Val Pro	Arg Glu Leu Ser Pro Leu Asp Leu				
	170		175		

<210> 17

<211> 177

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 1235265CD1

<400> 17

Met	Glu	Pro	Gly	Asn	Arg	Ser	Leu	Asn	Pro	His	Lys	Thr	Lys	His
1				5					10					15
His	Met	Glu	Cys	Arg	Val	Thr	Gly	Arg	Ala	Glu	Val	Thr	Ala	Ser
				20					25					30
Arg	Glu	Gly	Arg	Gly	Ala	Cys	Ala	Trp	Glu	Cys	Gly	Ser	Ser	Arg
				35					40					45
Gly	Pro	Trp	Gly	Leu	Leu	Arg	Tyr	Thr	Phe	Ala	Pro	Val	Arg	Ala
				50					55					60
Ser	Arg	Pro	Trp	Ala	Cys	Leu	Pro	Lys	Gly	Ser	Leu	Ser	Gln	Arg
				65					70					75
Pro	Lys	Leu	Pro	Pro	Pro	Val	His	Leu	Pro	Pro	Lys	Ser	Ser	Cys
				80					85					90
Pro	Pro	Arg	Ala	Gly	Gly	Gly	Gly	Ala	Gln	Gly	Arg	Gly	Val	Pro
				95					100					105
Cys	Thr	Tyr	Leu	Ser	Pro	Leu	Ser	His	Ser	Pro	Lys	Thr	Phe	Cys
				110					115					120
Thr	Phe	Leu	Gln	Gly	Cys	Pro	Ser	Gln	Gln	Phe	Pro	Ser	Trp	Leu
				125					130					135
Ile	Lys	Pro	Ser	Asp	Trp	Cys	Cys	Val	Pro	Ser	Leu	Trp	Pro	Leu
				140					145					150
Cys	Gly	Glu	Arg	Gly	Leu	Gln	Gly	Glu	Glu	Pro	Gly	Arg	Asp	Ser
				155					160					165
Gln	Ala	Ser	Pro	Trp	Glu	Gly	Gly	Ala	Ser	Arg	Arg			
				170					175					

<210> 18

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5571181CD1

<400> 18

Met	Ala	Ala	Leu	Gln	Lys	Ser	Val	Ser	Ser	Phe	Leu	Met	Gly	Thr
1				5					10					15
Leu	Ala	Thr	Ser	Cys	Leu	Leu	Leu	Leu	Ala	Leu	Leu	Val	Gln	Gly
				20					25					30
Gly	Ala	Ala	Ala	Pro	Ile	Ser	Ser	His	Cys	Arg	Leu	Asp	Lys	Ser
				35					40					45
Asn	Phe	Gln	Gln	Pro	Tyr	Ile	Thr	Asn	Arg	Thr	Phe	Met	Leu	Ala
				50					55					60
Lys	Glu	Ala	Ser	Leu	Ala	Asp	Asn	Asn	Thr	Asp	Val	Arg	Leu	Ile
				65					70					75
Gly	Glu	Lys	Leu	Phe	His	Gly	Val	Ser	Met	Ser	Glu	Arg	Cys	Tyr
				80					85					90
Leu	Met	Lys	Gln	Val	Leu	Asn	Phe	Thr	Leu	Glu	Glu	Val	Leu	Phe
				95					100					105
Pro	Gln	Ser	Asp	Arg	Phe	Gln	Pro	Tyr	Met	Gln	Glu	Val	Val	Pro

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	110		115		120									
Phe	Leu	Ala	Arg	Leu	Ser	Asn	Arg	Leu	Ser	Thr	Cys	His	Ile	Glu
	125													135
Gly	Asp	Asp	Leu	His	Ile	Gln	Arg	Asn	Val	Gln	Lys	Leu	Lys	Asp
	140													150
Thr	Val	Lys	Lys	Leu	Gly	Glu	Ser	Gly	Glu	Ile	Lys	Ala	Ile	Gly
	155													165
Glu	Leu	Asp	Leu	Leu	Phe	Met	Ser	Leu	Arg	Asn	Ala	Cys	Ile	
	170													175

<210> 19

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 685374CD1

<400> 19

Met	Ala	Leu	Leu	Arg	Lys	Ser	Tyr	Ser	Glu	Pro	Gln	Leu	Lys	Gly
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Ile	Val	Thr	Lys	Leu	Tyr	Ser	Arg	Gln	Gly	Tyr	His	Leu	Gln	Leu
				20					25					30
Gln	Ala	Asp	Gly	Thr	Ile	Asp	Gly	Thr	Lys	Asp	Glu	Asp	Ser	Thr
				35					40					45
Tyr	Thr	Leu	Phe	Asn	Leu	Ile	Pro	Val	Gly	Leu	Arg	Val	Val	Ala
				50					55					60
Ile	Gln	Gly	Val	Gln	Thr	Lys	Leu	Tyr	Leu	Ala	Met	Asn	Ser	Glu
				65					70					75
Gly	Tyr	Leu	Tyr	Thr	Ser	Glu	Leu	Phe	Thr	Pro	Glu	Cys	Lys	Phe
				80					85					90
Lys	Glu	Ser	Val	Phe	Glu	Asn	Tyr	Tyr	Val	Thr	Tyr	Ser	Ser	Met
				95					100					105
Ile	Tyr	Arg	Gln	Gln	Gln	Ser	Gly	Arg	Gly	Trp	Tyr	Leu	Gly	Leu
				110					115					120
Asn	Lys	Glu	Gly	Glu	Ile	Met	Lys	Gly	Asn	His	Val	Lys	Lys	Asn
				125					130					135
Lys	Pro	Ala	Ala	His	Phe	Leu	Pro	Lys	Pro	Leu	Lys	Val	Ala	Met
				140					145					150
Tyr	Lys	Glu	Pro	Ser	Leu	His	Asp	Leu	Thr	Glu	Phe	Ser	Arg	Ser
				155					160					165
Gly	Ser	Gly	Thr	Pro	Thr	Lys	Ser	Arg	Ser	Val	Ser	Gly	Val	Leu
				170					175					180
Asn	Gly	Gly	Lys	Ser	Met	Ser	His	Asn	Glu	Ser	Thr	Pro	Val	Arg
				185					190					195
Ala	Lys	Glu	Gly	Leu	Cys	Asn	Arg	Thr	Leu	Pro	Pro	Gly	Ala	Val
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Glu Phe Phe

<210> 20

<211> 239

<212> PRT

<213> Homo sapiens

PF-0701 USA

<220>

<221> misc_feature

<223> Incyte ID No: 843193CD1

<400> 20

Met	Ala	Ile	Cys	Pro	Leu	His	Ser	Ala	Gly	Gln	Val	Ala	Cys	Pro
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His	Tyr	Ile	His	Leu	Leu	Thr	Pro	Leu	Pro	Trp	Met	Asp	Gln	Trp
				20					25					30
Trp	Cys	His	Pro	Lys	Gln	Ile	Asp	Thr	Ile	Phe	Pro	Leu	Val	Thr
				35					40					45
Ala	Lys	Gly	Glu	Asn	His	Pro	Ser	Pro	Asn	Phe	Asn	Gln	Tyr	Val
				50					55					60
Arg	Asp	Gln	Gly	Ala	Met	Thr	Asp	Gln	Leu	Ser	Arg	Arg	Gln	Ile
				65					70					75
Arg	Glu	Tyr	Gln	Leu	Tyr	Ser	Arg	Thr	Ser	Gly	Lys	His	Val	Gln
				80					85					90
Val	Thr	Gly	Arg	Arg	Ile	Ser	Ala	Thr	Ala	Glu	Asp	Gly	Asn	Lys
				95					100					105
Phe	Ala	Lys	Leu	Ile	Val	Glu	Thr	Asp	Thr	Phe	Gly	Ser	Arg	Val
				110					115					120
Arg	Ile	Lys	Gly	Ala	Glu	Ser	Glu	Lys	Tyr	Ile	Cys	Met	Asn	Lys
				125					130					135
Arg	Gly	Lys	Leu	Ile	Gly	Lys	Pro	Ser	Gly	Lys	Ser	Lys	Asp	Cys
				140					145					150
Val	Phe	Thr	Glu	Ile	Val	Leu	Glu	Asn	Asn	Tyr	Thr	Ala	Phe	Gln
				155					160					165
Asn	Ala	Arg	His	Glu	Gly	Trp	Phe	Met	Ala	Phe	Thr	Arg	Gln	Gly
				170					175					180
Arg	Pro	Arg	Gln	Ala	Ser	Arg	Ser	Arg	Gln	Asn	Gln	Arg	Glu	Ala
				185					190					195
His	Phe	Ile	Lys	Arg	Leu	Tyr	Gln	Gly	Gln	Leu	Pro	Leu	Thr	Asn
				200					205					210
His	Ala	Glu	Lys	Gln	Lys	Gln	Phe	Glu	Phe	Val	Gly	Ser	Ala	Pro
				215					220					225
Thr	Arg	Arg	Ala	Lys	Arg	Thr	Arg	Arg	Pro	Gln	Pro	Leu	Thr	
				230					235					

<210> 21

<211> 493

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1359783CD1

<400> 21

Met	Leu	Lys	Ala	Leu	Phe	Leu	Thr	Met	Leu	Thr	Leu	Ala	Leu	Val
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Lys	Ser	Gln	Asp	Thr	Glu	Glu	Thr	Ile	Thr	Tyr	Thr	Gln	Cys	Thr
				20					25					30
Asp	Gly	Tyr	Glu	Trp	Asp	Pro	Val	Arg	Gln	Gln	Cys	Lys	Asp	Ile
				35					40					45
Asp	Glu	Cys	Asp	Ile	Val	Pro	Asp	Ala	Cys	Lys	Gly	Gly	Met	Lys

PF-0701 USA

	50		55		60
Cys Val Asn His Tyr Gly Gly Tyr Leu Cys Leu Pro Lys Thr Ala					
	65		70		75
Gln Ile Ile Val Asn Asn Glu Gln Pro Gln Gln Glu Thr Gln Pro					
	80		85		90
Ala Glu Gly Thr Ser Gly Ala Thr Thr Gly Val Val Ala Ala Ser					
	95		100		105
Ser Met Ala Thr Ser Gly Val Leu Pro Gly Gly Gly Phe Val Ala					
	110		115		120
Ser Ala Ala Ala Val Ala Gly Pro Glu Met Gln Thr Gly Arg Asn					
	125		130		135
Asn Phe Val Ile Arg Arg Asn Pro Ala Asp Pro Gln Arg Ile Pro					
	140		145		150
Ser Asn Pro Ser His Arg Ile Gln Cys Ala Ala Gly Tyr Glu Gln					
	155		160		165
Ser Glu His Asn Val Cys Gln Asp Ile Asp Glu Cys Thr Ala Gly					
	170		175		180
Thr His Asn Cys Arg Ala Asp Gln Val Cys Ile Asn Leu Arg Gly					
	185		190		195
Ser Phe Ala Cys Gln Cys Pro Pro Gly Tyr Gln Lys Arg Gly Glu					
	200		205		210
Gln Cys Val Asp Ile Asp Glu Cys Thr Ile Pro Pro Tyr Cys His					
	215		220		225
Gln Arg Cys Val Asn Thr Pro Gly Ser Phe Tyr Cys Gln Cys Ser					
	230		235		240
Pro Gly Phe Gln Leu Ala Ala Asn Asn Tyr Thr Cys Val Asp Ile					
	245		250		255
Asn Glu Cys Asp Ala Ser Asn Gln Cys Ala Gln Gln Cys Tyr Asn					
	260		265		270
Ile Leu Gly Ser Phe Ile Cys Gln Cys Asn Gln Gly Tyr Glu Leu					
	275		280		285
Ser Ser Asp Arg Leu Asn Cys Glu Asp Ile Asp Glu Cys Arg Thr					
	290		295		300
Ser Ser Tyr Leu Cys Gln Tyr Gln Cys Val Asn Glu Pro Gly Lys					
	305		310		315
Phe Ser Cys Met Cys Pro Gln Gly Tyr Gln Val Val Arg Ser Arg					
	320		325		330
Thr Cys Gln Asp Ile Asn Glu Cys Glu Thr Thr Asn Glu Cys Arg					
	335		340		345
Glu Asp Glu Met Cys Trp Asn Tyr His Gly Gly Phe Arg Cys Tyr					
	350		355		360
Pro Arg Asn Pro Cys Gln Asp Pro Tyr Ile Leu Thr Pro Glu Asn					
	365		370		375
Arg Cys Val Cys Pro Val Ser Asn Ala Met Cys Arg Glu Leu Pro					
	380		385		390
Gln Ser Ile Val Tyr Lys Tyr Met Ser Ile Arg Ser Asp Arg Ser					
	395		400		405
Val Pro Ser Asp Ile Phe Gln Ile Gln Ala Thr Thr Ile Tyr Ala					
	410		415		420
Asn Thr Ile Asn Thr Phe Arg Ile Lys Ser Gly Asn Glu Asn Gly					
	425		430		435
Glu Phe Tyr Leu Arg Gln Thr Ser Pro Val Ser Ala Met Leu Val					
	440		445		450
Leu Val Lys Ser Leu Ser Gly Pro Arg Glu His Ile Val Asp Leu					

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<210> 22
<211> 121
<212> PRT
<213> Homo sapiens
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<400> 22

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<210> 23
<211> 116
<212> PRT
<213> Homo sapiens
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<400> 23

15

PF-0701 USA

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Trp	Leu	Ser	Pro	Arg	Ala	Gly	Glu	Gly	Leu	Asn	Ser	Gln	Phe	Trp
				95					100					105
Ser	Leu	Ala	Ala	Pro	Gln	Arg	Phe	Gly	Lys	Lys				
				110					115					

<210> 24

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4003984CD1

<400> 24

Met	Gln	Arg	Trp	Thr	Leu	Trp	Ala	Ala	Ala	Phe	Leu	Thr	Leu	His
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Ser	Ala	Gln	Ala	Phe	Pro	Gln	Thr	Asp	Ile	Ser	Ile	Ser	Pro	Ala
				20					25					30
Leu	Pro	Glu	Leu	Pro	Leu	Pro	Ser	Leu	Cys	Pro	Leu	Phe	Trp	Met
				35					40					45
Glu	Phe	Lys	Gly	His	Cys	Tyr	Arg	Phe	Phe	Pro	Leu	Asn	Lys	Thr
				50					55					60
Trp	Ala	Glu	Ala	Asp	Leu	Tyr	Cys	Ser	Glu	Phe	Ser	Val	Gly	Arg
				65					70					75
Lys	Ser	Ala	Lys	Leu	Ala	Ser	Ile	His	Ser	Trp	Glu	Glu	Asn	Val
				80					85					90
Phe	Val	Tyr	Asp	Leu	Val	Asn	Ser	Cys	Val	Pro	Gly	Ile	Pro	Ala
				95					100					105
Asp	Val	Trp	Thr	Gly	Leu	His	Asp	His	Arg	Gln	Val	Arg	Lys	Gln
				110					115					120
Trp	Pro	Leu	Gly	Pro	Leu	Gly	Ser	Ser	Ser	Gln	Asp	Ser	Ile	Leu
				125					130					135
Ile														

<210> 25

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4365383CD1

<400> 25

Met	Asn	Phe	Val	His	Thr	Ser	Arg	Lys	Val	Lys	Ser	Leu	Asn	Pro
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Lys	Lys	Phe	Ser	Ile	His	Asp	Gln	Asp	His	Lys	Val	Leu	Val	Leu
				20					25					30
Asp	Ser	Gly	Asn	Leu	Ile	Ala	Val	Pro	Asp	Lys	Asn	Tyr	Ile	Arg
				35					40					45
Pro	Glu	Ile	Phe	Phe	Ala	Leu	Ala	Ser	Ser	Leu	Ser	Ser	Ala	Ser
				50					55					60
Ala	Glu	Lys	Gly	Ser	Pro	Ile	Leu	Leu	Gly	Val	Ser	Lys	Gly	Glu

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	65		70		75
Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln Ser His Pro Ser					
	80		85		90
Leu Gln Leu Lys Lys Glu Lys Leu Met Lys Leu Ala Ala Gln Lys					
	95		100		105
Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln Val Gly					
	110		115		120
Ser Trp Asn Met Leu Glu Ser Ala Ala His Pro Gly Trp Phe Ile					
	125		130		135
Cys Thr Ser Cys Asn Cys Asn Glu Pro Val Gly Val Thr Asp Lys					
	140		145		150
Phe Glu Asn Arg Lys His Ile Glu Phe Ser Phe Gln Pro Val Cys					
	155		160		165
Lys Ala Glu Met Ser Pro Ser Glu Val Ser Asp					
	170		175		

<210> 26

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5497814CD1

<400> 26

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Cys Ser His Leu Ser Thr Phe Leu Trp Pro Pro Ser Leu Ala Cys					
	20		25		30
Cys Leu Glu Thr Leu Val Gly Ile Pro Phe Ser Arg His Arg Ser					
	35		40		45
Leu Gly Leu Ile Pro Ala Pro Arg Cys Leu Pro Leu Pro Ala Ala					
	50		55		60
Ile Pro Thr Ser Leu Cys Ser Pro Pro Phe His Ser Leu His Ser					
	65		70		75
Leu Pro Arg Cys Pro Leu Leu Lys Val Leu Gly His Pro Gln Val					
	80		85		90
Ala Trp Ser Arg Gln Gln Pro Leu His Phe Thr Ser Ala Asn Asp					
	95		100		105
Arg His Leu Ser Lys Ala Cys Pro Gly Cys Ser Trp Tyr Ser Ser					
	110		115		120
Asp Ser Leu Val Ala Phe Gln Arg Pro Phe Pro Ser Gly Leu					
	125		130		

<210> 27

<211> 2730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1288847CB1

<400> 27

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PF-0701 USA

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<210> 28

<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1329044CB1

PF-0701 USA

<400> 28

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<210> 29

<211> 987

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1493630CB1

<400> 29

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gtttatgttt tccctggggg gtgctgattg tcaggcatca gttccctgtg ccattcattc 600
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<210> 30

PF-0701 USA

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1533041CB1

<400> 30

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<211> 1125

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1566162CB1

<400> 31

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<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1811831CB1

<400> 32

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<211> 658
<212> DNA
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<220>

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<223> Incyte ID No: 1835447CB1

<400> 33

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<211> 639
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3892281CB1

<400> 34

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<210> 35

<211> 996

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4318494CB1

<400> 35

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<211> 795

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 5090841CB1

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<210> 37

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2006548CB1

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<210> 38

<211> 1265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2207183CB1

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<400> 38

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<210> 39

<211> 1720

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2267403CB1

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<211> 1055

<212> DNA

<213> Homo sapiens

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<211> 1379

<212> DNA

<213> Homo sapiens

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<211> 702

<212> DNA

<213> Homo sapiens

<220>

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<211> 1906

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<213> Homo sapiens

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<211> 1803

<212> DNA

<213> Homo sapiens

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<220>

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<213> Homo sapiens

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<211> 630
<212> DNA
<213> Homo sapiens

<220>
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<210> 52
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<400> 53

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Met Pro Ser Ser Ser Ala Leu Leu Cys Cys Leu Val Phe Leu Ala
1 5 10 15
Gly Val Ala Ala Ser Arg Asp Ala Ser Ala Pro Ser Asp Ser Ser
20 25 30
Cys Thr His Phe Ser Asn Ser Leu Pro Leu Met Leu Arg Glu Leu
35 40 45
Arg Thr Ala Phe Ser Arg Val Lys Asn Phe Phe Gln Met Lys Asp
50 55 60
Gln Leu Asp Ser Met Leu Leu Thr Gln Ser Leu Leu Asp Asp Phe
65 70 75
Lys Gly Tyr Leu Gly Cys Gln Ala Leu Ser Glu Met Ile Gln Phe
80 85 90
Tyr Leu Glu Glu Val Met Pro Gln Ala Glu Asn His Gly Pro Glu
95 100 105
Ile Lys Glu His Val Asn Ser Leu Gly Glu Lys Leu Lys Thr Leu
110 115 120
Arg Leu Arg Leu Arg Arg Cys His Arg Phe Leu Pro Cys Glu Asn
125 130 135
Lys Ser Lys Ala Val Glu Gln Val Lys Ser Val Phe Ser Lys Leu
140 145 150
Gln Glu Arg Gly Val Tyr Lys Ala Met Ser Glu Phe Asp Ile Phe
155 160 165
Ile Asn Tyr Ile Glu Thr Tyr Thr Thr Met Lys Met Lys Asn
170 175

<210> 54

<211> 193

<212> PRT

<213> Macaca fascicularis

<220>

<221> misc_feature

<223> Genbank ID No: gi1841298

<220>

<221> unsure

<222> 179-193

<223> Xaa is unknown

<400> 54

Met His Ser Ser Ala Leu Leu Cys Cys Leu Val Leu Leu Thr Gly
1 5 10 15
Val Arg Ala Ser Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys
20 25 30
Thr Arg Phe Pro Gly Asn Leu Pro His Met Leu Arg Asp Leu Arg
35 40 45
Asp Ala Phe Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln
50 55 60
Leu Asp Asn Ile Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys
65 70 75
Gly Tyr Leu Gly Cys Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr
80 85 90
Leu Glu Glu Val Met Pro Gln Ala Glu Asn His Asp Pro Asp Ile
95 100 105
Lys Glu His Val Asn Ser Leu Gly Glu Asn Leu Lys Thr Leu Arg

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	110		115		120
Leu Arg Leu Arg Arg Cys His Arg Phe	Leu Pro Cys Glu Asn Lys				
	125		130		135
Ser Lys Ala Val Glu Gln Val Lys Asn	Ala Phe Ser Lys Leu Gln				
	140		145		150
Glu Lys Gly Val Tyr Lys Ala Met Ser	Glu Phe Asp Ile Phe Ile				
	155		160		165
Asn Tyr Ile Glu Ala Tyr Met Thr Met	Lys Ile Arg Asn Xaa Xaa				
	170		175		180
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa				
	185		190		

<210> 55

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Genbank ID No: gi106805

<400> 55

Met His Ser Ser Ala Leu Leu Cys Cys	Leu Val Leu Leu Thr Gly				
1	5		10		15
Val Arg Ala Ser Pro Gly Gln Gly Thr	Gln Ser Glu Asn Ser Cys				
	20		25		30
Thr His Phe Pro Gly Asn Leu Pro Asn	Met Leu Arg Asp Leu Arg				
	35		40		45
Asp Ala Phe Ser Arg Val Lys Thr Phe	Phe Gln Met Lys Asp Gln				
	50		55		60
Leu Asp Asn Leu Leu Leu Lys Glu Ser	Leu Leu Glu Asp Phe Lys				
	65		70		75
Gly Tyr Leu Gly Cys Gln Ala Leu Ser	Glu Met Ile Gln Phe Tyr				
	80		85		90
Leu Glu Glu Val Met Pro Gln Ala Glu	Asn Gln Asp Pro Asp Ile				
	95		100		105
Lys Ala His Val Asn Ser Leu Gly Glu	Asn Leu Lys Thr Leu Arg				
	110		115		120
Leu Arg Leu Arg Arg Cys His Arg Phe	Leu Pro Cys Glu Asn Lys				
	125		130		135
Ser Lys Ala Val Glu Gln Val Lys Asn	Ala Phe Asn Lys Leu Gln				
	140		145		150
Glu Lys Gly Ile Tyr Lys Ala Met Ser	Glu Phe Asp Ile Phe Ile				
	155		160		165
Asn Tyr Ile Glu Ala Tyr Met Thr Met	Lys Ile Arg Asn				
	170		175		